



Basic Searching Using EBSCO Discovery Service (EDS)

1. Access EBSCO Discovery Service (EDS) at:
<http://research.msl.mt.gov/>
2. On the left side of page, notice the single search bar below the words **Discover It**. Enter key words such as **Wind Turbines** as shown in this example to begin your search.

Research

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Discover It!

Wind Turbines

Search

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Newly Digitized Publications

- 2013 survey assessments and analysis of fish, macroinvertebrates and herpetofauna in the Otter Creek coal tracts area of Powder River County
- Proposed expansion of mining and reclamation plan, Big Sky Mine, Peabody Coal Company, Rosebud County, Montana, Federal lease M-15965 : draft environmental statement (Volume 1978)
- Supplemental environmental assessment for Zortman Mining Inc. : application for amendment no. 10 to state operating permit no. 00095 and federal plan of operations M-77779, Landusky Mine Expansion, Sullivan Park Heap Leach Pad, Operating and Reclamation Plan (Volume 1991)

What's New



Montana State Library Government Information

Like 98



Montana State Library Government Information

43 mins

Through this program, landowners can receive tax credits for providing public recreational access where no legal public access currently exists.



Montana Fish, Wildlife & Parks :: Unlocking State Lands

Narrow down search results by limiting to full-text database articles.

All “bread box” options including subject, collection sections are other ways to narrow down searches.

The screenshot shows the Montana State Library search interface. At the top, there are navigation links: "New Search", "A-to-Z List of E-Resources", and "Classic Catalog". On the right, there are links for "Sign In", "Folder", "Preferences", "Ask-A-Librarian", and "Help". The search bar contains the keyword "Wind Turbines" with a "Search" button and a "Create Alert" button. Below the search bar, there are links for "Basic Search", "Advanced Search", and "Search History".

The main content area displays "Search Results: 1 - 50 of 178,674". It lists five search results, each with a title, author, publication information, and a "PDF Full Text" link. The results are:

- Noise Source Localization on a Small Wind Turbine Using a Compact Microphone Array with Advanced Beamforming Algorithms: Part II-A Study of Mechanical Noise from Nacelle Using a Wind Turbine Drive Train Simulator.** By: Patel, Hirenkumar; Ramachandran, Rakesh C.; Raman, Ganesh; Jiang, Yong; Shi, Xiaodong; Krishnamurthy, Mahesh. *Wind Engineering*, Feb2014, Vol. 38 Issue 1, p89-100. 12p. DOI: 10.1260/0309-524X.38.1.89. , Database: Environment Complete. Subjects: WIND turbines; WINDMILLS; WIND power; Turbine and Turbine Generator Set Units Manufacturing; Power and Communication Line and Related Structures Construction; TURBINES -- Parts; WIND speed. PDF Full Text (3.1MB)
- Evaluation of Wind Energy Generation and Site Pairing of Wind Turbines in Algeria.** By: Bencherif, M.; Chikhaoui, A. *Wind Engineering*, Feb2014, Vol. 38 Issue 1, p23-38. 16p. DOI: 10.1260/0309-524X.38.1.23. , Database: Environment Complete. Subjects: WIND power; Turbine and Turbine Generator Set Units Manufacturing; WIND energy conversion systems; TURBINES; TURBOMACHINES; HYDRAULIC machinery. PDF Full Text (1.3MB)
- Method for moving a wind turbine component, such as a wind turbine hub, from a transportation position to a wind turbine assembly position in or on the nacelle, the main shaft or turbine hub, a handling unit, a wind turbine hub and use hereof** By: Storgaard Pedersen, Gunnar Kamp. US Patent: 8,403,620. Filed: January 24, 2008. Issued: March 26, 2013. , Database: USPTO Patent Grants. Patent
- A Numerical Study on the Improvement of the Performance of a Banki Wind Turbine.** By: Wenlong, Tian; Baowei, Song; Zhaocong, Mao. *Wind Engineering*, Feb2014, Vol. 38 Issue 1, p109-116. 8p. DOI: 10.1260/0309-524X.38.1.109. , Database: Environment Complete. Subjects: WIND turbines; WINDMILLS; WIND power; Turbine and Turbine Generator Set Units Manufacturing; Power and Communication Line and Related Structures Construction; VERTICAL axis wind turbines; HYDRAULIC machinery. PDF Full Text (1.2MB)
- Measuring electromagnetic fields (EMF) around wind turbines in Canada: is there a human health concern?** By: McCallum, Lindsay A.; Aslund, Melissa L. Whitfield; Knopper, Loren D.; Ferguson, Glenn M.; Olsson, Christopher A. *Environmental Health: A Global Access Science Source*. 2014, Vol. 13 Issue 1, p1-16. 16p. DOI: 10.1186/1476-069X-13-9. Subjects: ELECTROMAGNETIC measurements; WIND turbines; WIND power; ELECTRIC power transmission; ONTARIO; Electric Bulk Power Transmission and Control; Turbine and Turbine Generator Set Units Manufacturing; Power and Communication Line and Related Structures Construction; CANADA. Show all 8 images. PDF Full Text (1.1MB)

On the left side, there is a "Refine Results" panel. It includes a "Current Search" section, a "Limit To" section with checkboxes for "Full-text database articles", "Catalog Only", and "Catalog and/or Full-Text", and a "Publication Date" range from 1620 to 2014. Below this is a "Source Types" section with checkboxes for "All Results", "News (63,462)", "Magazines (40,067)", "Academic Journals (17,670)", "Trade Publications (9,584)", and "Reviews (880)". There is also a "Subject" section with a dropdown menu.

On the right side, there is a "State Web Archive" section with a search bar and a "Search" button. Below this is a "Digital Public Library of America" section with a list of links: "Largest wind turbines in America, ...", "Wind machines /", "Comparison of computer codes for c...", and "Wind power research for agricultur...".

3. The **Refine Results** column allows for narrowing searches. Find full-text database articles by unchecking the **Catalog** and/or **Full Text** option. If desired, narrow a search further by choosing different options available located under the **Refine Results** column.
4. Before clicking into an article either by title or by going directly to the full-text article, mouse over the magnifying glass to view abstract information about the article.

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Search Results: 1 - 50 of 178,674

Relevance Page Options Share

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By: Patel, Hirenkumar; Ramachandran, Rakesh C.; Raman, Ganesh; et al. *Wind Engineering*, Feb2014, Vol. 38 Issue 1, p109-116. 8p. DOI: 10.1260/0309-524X.38.1.109. , Database: Environment Complete

Subjects: WIND turbines; WINDMILLS; WIND power; Turbine and Turbine Generator Set Units Manufacturing; Power and Communication Line and Related Structures Construction; CANADA

PDF Full Text (3.1MB)

2. Evaluation of Wind Energy Generation and Site Pairing of Wind Turbines in Algeria.

By: Bencherif, M.; Chikhaoui, A. *Wind Engineering*, Feb2014, Vol. 38 Issue 1, p109-116. 8p. DOI: 10.1260/0309-524X.38.1.109. , Database: Environment Complete

Subjects: WIND power; Turbine and Turbine Generator Set Units Manufacturing; WIND energy conversion systems; TURBINES; TURBOMACHINES; HYDRAULIC machinery

Abstract: This paper addresses assessment of wind generation potentiality in Algeria and analyze of energy exchange between the wind and a Wind Energy Conversion System (WECS). Wind data gathered at 10 m high is based on the atlas of the wind of Algeria established by the National office

PDF Full Text (1.3MB)

3. Method for moving a wind turbine component, such as a nacelle, in or on the nacelle, the main shaft or turbine hub, to a new position

By: Storgaard Pedersen, Gunnar Kamp. US Patent: 8,403,620. Filed: Jan 2013

Patent

4. A Numerical Study on the Improvement of the Performance of a Banki Wind Turbine.

By: Wenlong, Tian; Baowei, Song; Zhaoyong, Mao. *Wind Engineering*, Feb2014, Vol. 38 Issue 1, p109-116. 8p. DOI: 10.1260/0309-524X.38.1.109. , Database: Environment Complete

Subjects: WIND turbines; WINDMILLS; WIND power; Turbine and Turbine Generator Set Units Manufacturing; Power and Communication Line and Related Structures Construction; VERTICAL axis wind turbines; HYDRAULIC machinery

PDF Full Text (1.2MB)

5. Measuring electromagnetic fields (EMF) around wind turbines in Canada: is there a human health concern?

By: McCallum, Lindsay C.; Aslund, Melissa L.; Whitfield, Knopper, Loren D.; Ferguson, Glenn M.; Olson, Christopher A. *Environmental Health: A Global Access Science Source*. 2014, Vol. 13 Issue 1, p1-16. 16p. DOI: 10.1186/1476-069X-13-9.

Subjects: ELECTROMAGNETIC measurements; WIND turbines; WIND power; ELECTRIC power transmission; ONTARIO; Electric Bulk Power Transmission and Control; Turbine and Turbine Generator Set Units Manufacturing; Power and Communication Line and Related Structures Construction; CANADA

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5. To view the article in its entirety, click on the PDF Full Text icon.

Printing, emailing, and saving documents.

1. After finding an article of interest, click on the title. Doing so offers various ways of retaining the article.

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Keyword: Wind Turbines | Search | Create Alert

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1 | Detailed Record | PDF Full Text (1388)

Find Similar Results using SmartPort Searching.

Result List | Refine Search | 2 of 178,574

Authors: Bencherif, H.¹
Outhou, A.¹

Source: Wind Engineering, Feb2014, Vol. 38 Issue 1, p23-38, 16p

Document Type: Article

Subject Terms: WIND power
WIND energy conversion systems
TURBINES
TURBOCHARGERS
HYDRAULIC machinery

Author Supplied Keywords: capacity factor
site effectiveness
Wind characteristics
Wind energy
Wind speed distribution
wind turbine efficiency

NAC/Industry Codes: 333811 Turbine and Turbine Generator Set Units Manufacturing

Abstract: This paper addresses assessment of wind generation potentiality in Algeria and analysis of energy exchange between the wind and a Wind Energy Conversion System (WECS). Wind data gathered at 10 m height is based on the atlas of the wind of Algeria established by the National office of the Meteorology near 37 stations of measures. The data is used for a feasibility analysis of optimum future utilization of Wind generator potentiality in 14 sites covering all landscape types and regions in Algeria. A mathematical formulation using a two-parameter Weibull wind speed distribution is further established to estimate the yearly mean wind speed and the yearly average available wind energy flux for each site. Detailed technical assessment for the three most promising potential wind sites was made using the capacity factor and the site effectiveness approach. The investigation was performed assuming three models of small, medium and big size wind machines representing different ranges of characteristic speeds and rated power suitable for water pumping and electric supply. The results show that small wind turbines could be installed in some coast region and medium wind turbines could be installed in the high plateau and some desert regions and utilized for water supply and electrical power generation, the sites having an important wind deposit, in high plateau we find Tinef site's out in the Sahara there is some sites for example Adrar, Timenouch, in Annasser and le Salab, in these sites could be installed a medium or a big size wind turbines, provided the correct wind machine-site is selected. [ABSTRACT FROM AUTHOR]

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Database: Environment Complete

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